

Abstract:

The invention relates to moldings with synthetic polymer surfaces which have self-cleaning properties.

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Self-cleaning surfaces and their advantages are well known. There are now various processes to obtain these surfaces. Two principal processes have become established, and one process is based on the securing of particles to surfaces, whereupon the particles produce elevations which produce the self-cleaning effect. The manner in which the invention presented here produces the surfaces is that synthetic polymer surfaces are swelled by a swelling agent which comprises suitable particles in suspension, the particles are embedded into the swollen surfaces, and after removal of the swelling agent the particles have been securely anchored within the synthetic polymer surface. Moldings thus produced have the advantage that they can be produced in the usual way and then, whatever the shape, provided with self-cleaning properties.

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Moldings of the invention may be drinking cups, drums, storage vessels, storage packs, splash guards, or else textile sheets and fabrics for textile buildings.